

## Earth Science Pacing Guide

<b>Topics and Suggested Number of Days</b>	<b># Days (total with review and assessment)</b>	<b>Essential Standards</b>	<b>Clarifying Objective s</b>	<b>Textbook Correlation by Chapters</b>
<b>Astronomy</b> <ul style="list-style-type: none"> <li>• Origin of Modern Astronomy</li> <li>• Touring Our Solar System</li> <li>• Studying the Sun</li> <li>• Beyond our Solar System</li> </ul>	12	EEn.1.1 – Explain the Earth's role as a body in space.	EEn.1.1.1 EEn.1.1.2 EEn.1.1.3 EEn.1.1.4	22,23,24,25
<b>Geology</b> <ul style="list-style-type: none"> <li>• Minerals &amp; Rocks</li> <li>• Weathering &amp; Soil</li> <li>• Glaciers, Deserts &amp; Wind</li> <li>• Earth's Interior</li> <li>• Plate Tectonics</li> <li>• Earthquakes &amp; Volcanoes</li> <li>• Mountain Building</li> <li>• Geologic Time</li> <li>• Earth's History</li> </ul>	22	EEn.2.1 – Explain how processes and forces affect the lithosphere. EEn.2.2 – Understand how human influences impact the lithosphere.	EEn.2.1.1 EEn.2.1.2 EEn.2.1.3 EEn.2.1.4 EEn.2.2.1 EEn.2.2.2	2,3,5,7,8,9, 10,11,12,13
<b>Hydrosphere</b> <ul style="list-style-type: none"> <li>• Running Water &amp; Groundwater</li> <li>• The Ocean Floor</li> <li>• Ocean Water &amp; Ocean Life</li> <li>• The Dynamic Ocean</li> </ul>	16	EEn.2.3 – Explain the structure and processes within the hydrosphere. EEn.2.4 – Evaluate how humans use water.	EEn.2.3.1 EEn.2.3.2 EEn.2.4.1 EEn.2.4.2	6,14,15,16
<b>Environmental Science</b> <ul style="list-style-type: none"> <li>• Biomes</li> <li>• Biodiversity</li> <li>• Human Activities &amp; Biosphere</li> <li>• Alternative Energy Sources</li> <li>• Agriculture &amp; Aquaculture</li> <li>• Population Growth</li> <li>• Resources – Reduce, Reuse and Recycle</li> </ul>	20	EEn.2.7 – Explain how the lithosphere, hydrosphere and atmosphere individually and collectively affect the biosphere. EEn.2.8 – Evaluate human behaviors in terms of how likely they are to ensure the ability to live sustainably on Earth.	EEn.2.7.1 EEn.2.7.2 EEn.2.7.3 EEn.2.8.1 EEn.2.8.2 EEn.2.8.3 EEn.2.8.4	4
<b>Meteorology</b> <ul style="list-style-type: none"> <li>• The Atmosphere</li> <li>• Moisture, Clouds &amp; Precipitation</li> <li>• Air Pressure &amp; Wind</li> <li>• Weather Patterns</li> <li>• Climate</li> </ul>	18	EEn.2.5 – Understand the structure of and processes within our atmosphere. EEn.2.6 – Analyze patterns of global climate change over time.	EEn.2.5.1 EEn.2.5.2 EEn.2.5.3 EEn.2.5.4 EEn.2.5.5 EEn.2.6.1 EEn.2.6.2 EEn.2.6.3 EEn.2.6.4	17,18,19,20, 21
<b>Final Exam Review</b>	2			